

SECRET

PROJECT PROGRESS REPORT

USAF Declass/Release Instructions On File

1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED]		3. TELEPHONE NO. 25X1A 34361	
4. PROGRAM TITLE J-75 Engine					
5. STATUS OF PROGRAM					
PROGRAM		TESTING			
PLANNING	ACTIVE	PLANNING	ACTIVE	SUSPENDED	CANCELLED
6. TESTING COMPLETED					
7. OBJECTIVE OF TESTS Prototype development tests.					
8. PRIORITY High	9. DATE PROGRAM INITIATED 4 May 59	10. DATE TESTING INITIATED 13 May 59	11. DATE OF ESTIMATED TEST COMPLETION 23 Dec 59		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
342	None	3	96 flights		
13. COMMENTS					

Three flights were made during this period. Two slipper ferry missions and a repeat of the 71M' mission. Preliminary results indicate the cooler fuel oil heat exchanger decrease the manufactured fuel from 5% to 3%. More detailed information on the recent series of range missions will be reported as soon as possible.

DOCUMENT NO. _____
 NO CHANGE IN CLASS _____
 1. DECLASSIFIED _____
 CLASS. CHANGED TO: 15840 _____
 NEXT REVIEW DATE: _____
 AUTH: HR 70-2 _____
 DATE: 2/11/61 REVIEWER: 037169

SECRET
(When Filled In)

15

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
4 Dec 59				10 Dec 59	
1. REPORTING AGENCY LAC		2. NAME OF CONTACT 25X1A		3. TELEPHONE NO. 34361	
4. PROGRAM TITLE J-75 ENGINE <i>25X1A</i>					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
PLANNING	<input checked="" type="checkbox"/> ACTIVE	PLANNING	<input checked="" type="checkbox"/> ACTIVE	SUSPENDED	CANCELLED
7. OBJECTIVE OF TESTS Prototype development tests.					
8. PRIORITY High	9. DATE PROGRAM INITIATED 4 May 59	10. DATE TESTING INITIATED 13 May 59	11. DATE OF ESTIMATED TEST COM- PLETION 23 Dec 59		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
342	3 flights remaining	2	91 flights		
13. COMMENTS Two flights with slipper tanks were made during this period. They were level cruise missions at 72M and 70M. A J-57 fuel oil heat exchanger has been installed and shows a decrease in manufactured fuel. Final evaluation of this change should be made next period.					

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25X1A

Approved For Release 2001/09/05 : CIA-RDP81B00880R000100240002-5
PROJECT PROGRESS REPORT

PERIOD COVERED

27 Nov 3 Dec

1. REPORTING AGENCY

LAC

2. NAME OF CONTACT

25X1A

3. TELEPHONE NO.

34361

4. PROGRAM TITLE

J-75 Engine *RTB*

STATUS OF PROGRAM

5. PROGRAM

TESTING

PLANNING

☒

ACTIVE

PLANNING

☒

ACTIVE

SUSPENDED

CANCELLED

7. OBJECTIVE OF TESTS

Prototype development tests.

8. PRIORITY

high

9. DATE PROGRAM INITIATED

4 May 59

10. DATE TESTING INITIATED

13 May 59

11. DATE OF ESTIMATED TEST COMPLETION

23 Dec 59

12.

OPERATING TIME

TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE
342	5 flts remaining	none	89 flights

13. COMMENTS

The inspection has been completed with no major problems encountered.
Range test flights will be continued next period.

Five more range flights will complete the J-75 development program. The airplane is programmed to remain at EAFB as a test vehicle. Although no large specific tests are planned at this time, many small items keep coming up. As these items come up they will be reported as separate tests.

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY LAC		2. NAME OF CONTACT 25X1A		3. TELEPHONE NO.	
4. PROGRAM TITLE J-75 Engine <i>RST</i> <i>QX</i> <i>W</i>					
5. STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS Prototype development tests					
8. PRIORITY	9. DATE PROGRAM INITIATED 4 May 59	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS FOR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS <p>Engine operation is satisfactory at this time. A series of flights are being made to obtain information with slipper tanks. Results thus far show that over-all range is increased but good autopilot performance is essential.</p> <p>Test airplane down for 100 hour inspection.</p>					

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PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
				13 Nov	19 Nov
1. REPORTING AGENCY MAC		2. NAME OF CONTACT [REDACTED] 25X1A		3. TELEPHONE NO.	
4. PROGRAM TITLE J-75 Engine <i>25X1A</i>					
5. STATUS OF PROGRAM					
PROGRAM		TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS Prototype Development Tests					
6. PRIORITY	9. DATE PROGRAM INITIATED 4 May 59	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS Engine operation is satisfactory at this time. A series of flights are being made to obtain range information with slipper tanks. Results thus far show that overall range is increased but good autopilot performance is essential.					

25X1A

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(When Filled In)Approved For Release 2001/09/05 : CIA-RDP81B00880R000100240002-5
PROJECT PROGRESS REPORTFROM (Final Report)
THRU Complete Summary

1. REPORTING AGENCY

RSP-4

2. NAME OF CONTACT

25X1A

3. TELEPHONE NO.

4. PROGRAM TITLE

"B" Camera Vibration Test

STATUS OF PROGRAM

5. PROGRAM

6. TESTING

PLANNING

ACTIVE

PLANNING

ACTIVE

☒ SUSPENDED

CANCELLED

7. OBJECTIVE OF TESTS

To determine the extent of vibration on the "B" Camera caused by the J-75 engine and to improve photographic results in the U2C aircraft.

8. PRIORITY

9. DATE PROGRAM INITIATED

10. DATE TESTING INITIATED

11. DATE OF ESTIMATED TEST COMPLETION

12. OPERATING TIME

TEST ARTICLE	TOTAL TEST HOURS OR RUNS FOR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE

13. COMMENTS

a. Ground and flight tests performed here at the Test Site have shown that the new Hycon vibration isolation mounts, P/N 739320, and the forward stabilizer isolator assembly P/N 739330, have improved the photographic results of the "B" camera when used in the U2C to be satisfactory for detachment use.

b. Vibration instrumented test flights showed that the U2C aircraft had approximately the same excitation frequency (100 cps) as the U2A aircraft. However, the amplitude of the U2C aircraft was about double the U2A, having an amplitude of .0003 to .0006 inches at the aircraft camera support fittings compared with .0002 to .0003 inches for the U2A.

25X1D

25X1D

c. This was a difference in photographic results of [REDACTED] in the U2C as compared to [REDACTED] average in the U2A.

d. With the new shock mounts installed in the U2C photographic results averaged [REDACTED]

25X1D

25X1D

e. No further vibration ground and flight tests are scheduled pending approval of Hycon Engineering Study Proposal, HYB-30, to vibration isolate and improve mounting of the "B" camera mirror.

f. A complete engineering report* on the J-75 equipped U2C vibration isolation study has been forwarded to headquarters via [REDACTED]

25X1A

*Engineering Report, Vibration Isolation Study, 73-B Configuration, 20 Sep 59

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY WRSP-4		2. NAME OF CONTACT [REDACTED] 25X1A		3. TELEPHONE NO. 37351	
4. PROGRAM TITLE J-75 Engine Installation					
STATUS OF PROGRAM					
5. PROGRAM			6. TESTING		
<input type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS To determine performance of U-2A with J-75 Engine installed.					
8. PRIORITY One (1)	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
342	Grand total of 400		52 Flights		
358	hours:		36 Flights		
351			14 Flights		
13. COMMENTS					
1. Information thru 22 July previously submitted by message.					
2. Flight 52 on airplane 342 for the purpose of obtaining speed power at low altitude altitudes.					
3. Flights 35 and 36 on airplane 358 for cruise performance. A high altitude engine flameout was induced on flight 35 at the end of the mission. The pilot had retarded the throttle to idle and was advancing it to check a new throttle stop. During this power acceleration the engine quit. This incident is not considered significant.					
4. Flight 14 on airplane 351 for cruise performance. Operation was satisfactory.					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
				6 Nov. 59	12 Nov. 59
1. REPORTING AGENCY IAC		2. NAME OF CONTACT [REDACTED] 25X1A		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine <i>Bo H</i>					
5. STATUS OF PROGRAM					
PROGRAM		TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS Prototype Development Tests					
8. PRIORITY	9. DATE PROGRAM INITIATED 4 May 1959	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION Indefinite	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS Engine operation is satisfactory at this time.					

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Approved For Release 2001/09/05 : CIA-RDP81B00880R000100240002-5

PROJECT PROGRESS REPORT		25X1A		PERIOD COVERED	
		FROM	THRU		
		31 Oct. 59	5 Nov. 59		
1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED]		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine <i>Black</i>					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS Prototype Development Tests					
8. PRIORITY	9. DATE PROGRAM INITIATED 4 May 1959	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION Indefinite	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS Engine operation is satisfactory at this time.					

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PROJECT PROGRESS REPORT		PERIOD COVERED	
		FROM	THRU
1. REPORTING AGENCY LAC		16 Oct. 59	22 Oct. 59
2. NAME OF CONTACT [REDACTED] 25X1A		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine			
5. STATUS OF PROGRAM			
PROGRAM		TESTING	
PLANNING	ACTIVE	PLANNING	ACTIVE
		SUSPENDED	CANCELLED
7. OBJECTIVE OF TESTS Prototype Development Tests			
8. PRIORITY	9. DATE PROGRAM INITIATED 4 May 1959	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION Indefinite
12. OPERATING TIME			
TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE
13. COMMENTS <p>During a test flight of airplane 342 excessive engine roughness and low oil pressure were experienced on engine 610448. After flight inspection showed excessive oil consumption and small metal chips were found in the oil screens, indicating the probability of an internal engine part failure. The engine is being shipped to Hartford for investigation of this condition.</p> <p>At the present time engine 610452 is being installed in airplane 342. This engine has a previous history of abnormally high oil pressure. Prior to installation, the oil boost pump is being changed. The improved oil boost pump sense pressure plumbing, reported previously, is also being incorporated. A test flight will be made Monday 26 October.</p>			

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PROJECT PROGRESS REPORT				PERIOD COVERED <small>FROM</small> 9 Oct. 59 <small>THRU</small> 15 Oct. 59							
1. REPORTING AGENCY <p align="center">LAC</p>		2. NAME OF CONTACT <div style="background-color: black; width: 100px; height: 1.2em; margin: 5px 0;"></div>		3. TELEPHONE NO. <p align="center">25X1A</p>							
4. PROGRAM TITLE <p align="center">J75 Engine</p>											
STATUS OF PROGRAM											
5. PROGRAM <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">PLANNING</td> <td style="width: 33%; text-align: center;">ACTIVE</td> </tr> </table>		PLANNING	ACTIVE	6. TESTING <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">PLANNING</td> <td style="width: 33%; text-align: center;">ACTIVE</td> <td style="width: 33%; text-align: center;">SUSPENDED</td> <td style="width: 33%; text-align: center;">CANCELLED</td> </tr> </table>				PLANNING	ACTIVE	SUSPENDED	CANCELLED
PLANNING	ACTIVE										
PLANNING	ACTIVE	SUSPENDED	CANCELLED								
7. OBJECTIVE OF TESTS <p align="center">Prototype Development Tests</p>											
8. PRIORITY	9. DATE PROGRAM INITIATED <p align="center">4 May 59</p>	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION <p align="center">Until Finished</p>								
12. OPERATING TIME											
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE								
13. COMMENTS <p align="center">An improvement was made in the engine oil system plumbing.</p> <p>This consisted of replumbing the oil boost pump to sense main oil inlet pressure. The change resulted in steady engine oil pressure under all ground and flight operating conditions. Tests were made on airplanes 342 and 352 and resulted in very satisfactory engine oil pressure.</p>											

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Approved For Release 2001/09/05 : CIA-RDP81B00880R000100240002-5
PROJECT PROGRESS REPORT

PERIOD COVERED

9 Oct

15 Oct

1. REPORTING AGENCY

WRSP-4

2. NAME OF CONTACT

25X1A

3. TELEPHONE NO.

33141

4. PROGRAM TITLE

Dual Regulator Seat Pack

STATUS OF PROGRAM

5. PROGRAM

6.

TESTING

PLANNING

ACTIVE

PLANNING

ACTIVE

SUSPENDED

CANCELLED

7. OBJECTIVE OF TESTS

To develop a dual regulator oxygen system.

8. PRIORITY

9. DATE PROGRAM INITIATED

14 Feb 1959

10. DATE TESTING INITIATED

Approx 30 Oct 59

11. DATE OF ESTIMATED TEST COMPLETION

30 Nov 59

12.

OPERATING TIME

TEST ARTICLE

TOTAL TEST HOURS
OR RUNS ROR

HOURS OR RUNS
THIS PERIOD

TOTAL HOURS OR RUNS
TO DATE

25X1A

25X1A

13. COMMENTS

25X1A

a. Awaiting delivery of prototype seat pack for flight testing.

b. On 12 Oct 59, [REDACTED], LAC informed EAFB that the proposed, SPQ 270, dual oxygen seat pack was completely assembled. He estimated that it would be delivered to EAFB on Wednesday, 14 Oct 59 for low pressure chamber and flight testing. [REDACTED] received this information by telephone conversation on 13 Oct 59.

25X1A

On 14 Oct 59, [REDACTED] announced that LAC Engineering Department discovered that the Firwel flapper valve leaked excessively. Changes in material used and method of flapper valve linkage are also required before the Firewel valve can be acceptable to LAC.

25X1A

[REDACTED] of Firewel Co., agreed to hand carry the flapper valve to the Buffalo, N.Y. plant and make necessary corrections ASAP.

Estimate complete assembly available for test and pilot evaluation 30 Oct 59.

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Approved For Release 2001/09/05 : CIA-RDP81B00880R000100240002-5

(13-20)

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
				18 Sept. 59	24 Sept. 59
1. REPORTING AGENCY IAC			2. NAME OF CONTACT 25X1A [REDACTED]		3. TELEPHONE NO.
4. PROGRAM TITLE U2C Program					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS					
<p>AIRCRAFT 342:</p> <p>A new development in the AC system test appears to have uncovered the real problem. The pump failure mentioned last week was experienced again this period. Vibration due to incompatibility of components in the system apparently has caused the pump failures, leaks and broken clips. Instrumentation is being installed and a quick solution is anticipated.</p> <p>Granger box temperatures were measured with a heating unit installed. Box skin at the front stabilized at 50°C and box skin at the bottom aft stabilized at 105°C. The front temperature is comparable to that experienced on the J57 installation. The rear is much hotter. Heating unit on or off had very little effect on the high temperature. A means of cooling the bottom is being studied.</p>					

SECRET

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY <div style="text-align: center;">LAC</div>				25 Sept. 59 1 Oct. 59	
1. REPORTING AGENCY <div style="text-align: center;">LAC</div>			2. NAME OF CONTACT <div style="text-align: center;">[REDACTED]</div>		3. TELEPHONE NO.
4. PROGRAM TITLE <div style="display: flex; justify-content: space-between;">U2C Program25X1A</div>					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
<p>AIRCRAFT #342:</p> <p>Oscillograph records of AC system tests show rapid pressure fluctuations in the hydraulic system. These are caused by overspeeding the pump. With the pump turning 6000 RPM, cavitation is experienced above 65M'. The present pump was purchased with the understanding that it could operate at 6000 RPM. A new pump capable of operating at 6000 RPM is being procured. Tests will be run immediately. If the new pump is satisfactory, 20 hours of operation will be obtained by Wednesday 7 October.</p> <p>Structural modifications to the area around the Granger Box have been made. These modifications should improve the cooling air circulation around the box. A flight test of this configuration will be conducted Friday 2 October 1959.</p> <div style="text-align: right; margin-top: 50px;"> </div>					

SECRET
(When Filled In)

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
				11 Sept. 59	14 Sept. 59
1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED]		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine Program 25X1A					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS					
<p>Aircraft #360:</p> <p>Delivered to Detachment C.</p> <p>Aircraft #342:</p> <p>AC system oil temperatures now appear acceptable. A long flight was made to confirm this and a pump failed. The failure is now being studied.</p> <p>The Granger Box cooling investigation was delayed due to a box not being available. A box and radome are now being installed.</p>					

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				FROM	THRU
1. REPORTING AGENCY LAC				2. NAME OF CONTACT [REDACTED] 25X1A	3. TELEPHONE NO.
4. PROGRAM TITLE J75 Engine Program					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
<p>Aircraft #360:</p> <p>Preparing for deployment.</p> <p>Aircraft #342:</p> <p>The AC system has been installed and instrumented. Additional oil cooler area over that tested on 360 has been provided. Flying is to be resumed Monday 14 Sept. 59.</p> <p>✓ Granger box cooling provisions have been installed and will be tested next period.</p>					

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PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
				21 Aug. 59	27 Aug. 59
1. REPORTING AGENCY LAC		2. NAME OF CONTACT <div style="background-color: black; width: 100px; height: 1.2em;"></div>		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine Program 25X1A					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY		9. DATE PROGRAM INITIATED		10. DATE TESTING INITIATED	
				11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
<p>Aircraft #342:</p> <p>Undergoing modifications and 100 hour aircraft inspection.</p> <p>Aircraft #360:</p> <p>Assembly completed. First flight scheduled for 28 Aug. 59.</p> <p>A.C. electrical system modified and ground tested. With the system loaded the frequency and voltage were 405 cpm and 120 volts. High altitude flight checks must be made to confirm this operation.</p>					

ROUTING	
CH/OPS	<i>[initials]</i>
DCH/OPS	
CH/CS	<i>[initials]</i>
CH/INTEL	
PHOTO O.	
CH/AIR S.	
CH/COMMO	

342 Test - 359

360 C

354 backsheet

351

358

pic B

m

INITIAL WHEN READ

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED]		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine Program				25X1A	
5. STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY					
9. DATE PROGRAM INITIATED		10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS					
<p>Aircraft #360:</p> <p>Aircraft assembly dependent upon engine return from inspection.</p> <p>Aircraft modification work is being accomplished in the meantime.</p>					

SECRET
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PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED]		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine Program		25X1A			
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS					
Aircraft #342: Airplane undergoing 100 hour inspection. Engine has been received. Estimate airplane in commission in approximately one week.					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY LAC				2. NAME OF CONTACT 25X1A	
3. TELEPHONE NO.				7 Aug. 59 13 Aug. 59	
4. PROGRAM TITLE J75 Engine Program					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY		9. DATE PROGRAM INITIATED		10. DATE TESTING INITIATED	
				11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
<p>Flights on #358:</p> <p>#42 - 7 Aug. - [REDACTED] - 3:59. Aircraft & engine tests</p> <p>25X1A #43 - 8 Aug. - [REDACTED] 3:00. ""</p> <p>#44 - 8 Aug. - [REDACTED] 1:27 - Night Flight.</p> <p>#45 - 11 Aug. - [REDACTED] - 0:44. Aircraft & engine tests.</p> <p>All tests accomplished to ready airplane for deployment.</p> <p>25X1A #46 - 12 Aug. - [REDACTED] - 7:00 - Ferry to Plattsburgh.</p> <p>This will be final report on this aircraft.</p>					

SECRET
(When Filled In)

PROJECT PROGRESS REPORT				PERIOD COVERED	
1. REPORTING AGENCY LAC				2. NAME OF CONTACT [REDACTED]	
4. PROGRAM TITLE J75 Engine Installation				25X1A	
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
PLANNING	ACTIVE	PLANNING	ACTIVE	SUSPENDED	CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
<p>Flights on #351:</p> <p>#20 - 8 Aug - [REDACTED] - 2:05. Aircraft & Engine tests.</p> <p>25X1A #21 - 9 Aug. - [REDACTED] - 1:31. ""</p> <p>25X1A #22 - 10 Aug. - [REDACTED] - 4:03. ""</p> <p>All tests accomplished to ready airplane for deployment.</p> <p>25X1A #23 - 12 Aug. - [REDACTED] - 7:00. Ferry to Plattsburgh.</p> <p style="text-align: center;">This will be final report on this aircraft.</p>					

PROJECT PROGRESS REPORT				PERIOD COVERED	
1. REPORTING AGENCY				2. NAME OF CONTACT	
3. TELEPHONE NO.				4. PROGRAM TITLE	
LAC				25X1A	
J75 Engine Program					
STATUS OF PROGRAM					
5. PROGRAM			6. TESTING		
PLANNING	ACTIVE	PLANNING	ACTIVE	SUSPENDED	CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
<p style="margin-left: 40px;">25X1A</p> <p>Flights on #342:</p> <p>#57 - 31 July - [REDACTED] - 2:25. Defroster and descent data.</p> <p>#58 - 4 August - [REDACTED] - 2:26. Defroster and descent data.</p> <p style="margin-left: 40px;">The engine is due for inspection so flying has been terminated until the deployment of 351 and 358 is completed and an engine is available.</p>					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED]		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine Program				25X1A	
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
25X1A					
Flights on #358:					
#41 - 6 August - [REDACTED] - 1:30. A & E.					
The airplane has been modified, a new engine installed and is being prepared for deployment.					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
				31 July 59	6 Aug. 59
1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED]		25X1A	3. TELEPHONE NO.
4. PROGRAM TITLE J75 Engine Installation					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
PLANNING	ACTIVE	PLANNING	ACTIVE	SUSPENDED	CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY		9. DATE PROGRAM INITIATED		10. DATE TESTING INITIATED	
				11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS					
<p>25X1A</p> <p>Flights on #351:</p> <p>#19 - 31 July - [REDACTED] - 2:42. Ferry Range.</p> <p>Above flight was aborted due to high oil pressure and temperature in the early climb. This is the same engine that lost the oil last period. It is suspected that the oil loss caused some damage to the engine. The engine is being checked at PAC.</p> <p>The airplane is currently undergoing pre-deployment modifications.</p>					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM 24 July 59	THRU 30 July 59
1. REPORTING AGENCY LAC		2. NAME OF CONTACT [REDACTED] 25X1A		3. TELEPHONE NO.	
4. PROGRAM TITLE J75 Engine Installation					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS To determine performance of U-2 with J75 engine installed					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS ROR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
All				405:00 Hrs.	
13. COMMENTS Flights on airplane #342: #58 - 24 July - Abort due to personal equipment trouble. #59 - 24 July - Evaluation of cambered stabilizer. #60 - 28 July - Engine installation cooling test. #61 - 29 July - Engine blowout check, performance descent. Further evaluation of cambered stabilizer showed definite improvement of high Mach characteristics. This will be installed as a mod. No blowouts have been experienced on this engine with the 15th stage bleed valves open during full power climb from 40 to 60,000 feet. The engine had previously had several while installed in airplane #351.					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY <div style="text-align: center;">LAC</div>				24 July 59 30 July 59	
2. NAME OF CONTACT <div style="text-align: center;">[REDACTED] 25X1A</div>			3. TELEPHONE NO.		
4. PROGRAM TITLE <div style="text-align: center;">J75 Engine Installation</div>					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
351			102:28 Hrs		
13. COMMENTS					
<p>Flights on Airplane #351;</p> <p>25X1A #15 - 24 July - [REDACTED] - 8:00 Range at full power</p> <p>25X1A #16 - 28 July - [REDACTED] - 1:45 Airplane & engine</p> <p>#27 - 29 July - [REDACTED] - 1:32 Airplane & engine</p> <p>#18 - 30 July - [REDACTED] - 5:53 Range with slippers</p> <p>After flight 15 the airplane was inspected and engine #610452 installed. Flight 16 was terminated early due to loss of oil pressure. Cause of the trouble was a cracked teflon and braid engine oil line. This had been obtained from a new vendor. Replacement parts are being procured from the old vendor. The engine was checked by P&W personnel and did not show any apparent damage</p> <p>A range flight was attempted on flight 18. Fuel control and autopilot trouble caused the flight to be aborted. The fuel control is one previously removed from erratic control and had been reworked. The autopilot problem was caused by an experimental pitch servo unit.</p>					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
24 July 59				30 July 59	
1. REPORTING AGENCY LAC			2. NAME OF CONTACT 25X1A		3. TELEPHONE NO.
4. PROGRAM TITLE J75 Engine Installation					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED	11. DATE OF ESTIMATED TEST COMPLETION		
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD	TOTAL HOURS OR RUNS TO DATE		
13. COMMENTS					
<p>Flights on airplane #358:</p> <p>#37 - 24 July - 7:05 - Max. power performance.</p> <p>#38 - 27 July - 2:25 - B Camera - LAC mounts.</p> <p>#39 - 28 July - 2:40 - B Camera - Hycon mounts.</p> <p>#40 - 29 July - 5:27 - B Camera - Hycon mounts.</p> <p>Ground vibration tests of the B camera with two new types of isolation mounts were conducted. These were followed by flight tests of each. Preliminary results look very encouraging. The airplane is now out of commission for modification and inspection prior to deployment.</p>					

PROJECT PROGRESS REPORT				PERIOD COVERED	
				FROM	THRU
1. REPORTING AGENCY WRSP-4		2. NAME OF CONTACT [REDACTED] 25X1A		3. TELEPHONE NO. 33141	
4. PROGRAM TITLE Dual Oxygen Regulator Seat Pack					
STATUS OF PROGRAM					
5. PROGRAM		6. TESTING			
<input type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> SUSPENDED	<input type="checkbox"/> CANCELLED
7. OBJECTIVE OF TESTS To develop a dual regulator oxygen system.					
8. PRIORITY	9. DATE PROGRAM INITIATED	10. DATE TESTING INITIATED		11. DATE OF ESTIMATED TEST COMPLETION 25 May 59	
12. OPERATING TIME					
TEST ARTICLE	TOTAL TEST HOURS OR RUNS RQR	HOURS OR RUNS THIS PERIOD		TOTAL HOURS OR RUNS TO DATE	
13. COMMENTS Waiting for return of the assembly from LAC, installed in a seat pack.					